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**DOE-ID Operations Summary
For the Period November 1, 2014 – November 30, 2014**

***EDITOR'S NOTE:** The following is a summary of contractor operations at the Idaho National Laboratory Site, managed by the DOE- Idaho Operations Office. It has been compiled in response to a request from stakeholders for more information on health, safety and environmental incidents at DOE facilities in Idaho. It also includes a brief summary of accomplishments at the Site. POC: Danielle Miller, (208) 526-5709.*

Advanced Mixed Waste Treatment Project (AMWTP)

November 15: A Waste Retrieval Operator at the Advanced Mixed Waste Treatment Project was diagnosed with an umbilical hernia which required a surgery. A Management Review is being conducted. [EM-ID--ITG-AMWTF-2014-0015]

November 17: A safety requirement deviation occurred at the Advanced Mixed Waste Treatment Project when it was discovered that three low- level waste drums did not have an initial venting filter installed. These filters are required to be installed prior to removal of drum lids to protect personnel from injury or exposure from the venting process. A fact-finding meeting will be held. [EM-ID--ITG-AMWTF-2014-0014]

Notable Accomplishments: Los Alamos waste heads south- Waste from Los Alamos National Laboratory rolled out the Radioactive Waste Management Complex gate on a one-way trip south on Nov. 18, 2014, less than one year after arriving at the Advanced Mixed Waste Treatment Project.

It took 10 shipments in a Type B 10-160B shipping cask to ship the 25.6 cubic meters of waste to AMWTP for treatment. After processing, it only took six TRUPACT's to send the now compacted 13.48 cubic meters of treated waste out of Idaho. The LANL waste was sent to AMWTP as part of the off-site waste processing program because of AMWTP's remote handling capabilities that limited worker exposure during handling and repackaging operations.

Due to the expertise of the workforce and the capabilities of AMWTP, the waste was treated and packaged to meet the Waste Acceptance Criteria of both the Waste Isolation Pilot Plant located in Carlsbad, N.M. and Waste Control Services, located in Andrews, TX. The waste was then shipped back out of Idaho in compliance with terms contained in the Idaho Settlement Agreement.

Idaho Cleanup Project (ICP)

November 5: A Fire Alarm Control Panel started beeping, indicating an alarm during decontamination activities in a corridor at the New Waste Calcine Facility. Safety personnel determined that the alarm was probably caused by moisture as a result of wet decontamination efforts above the Fire Alarm Control Panel. [EM-ID--CWI-ICPWM-2014-0004]

November 27: The Integrated Waste Treatment Unit experienced a safety instrumented function trip. The IWTU had not processed any hazardous or radiological material at the time and there

was no potential for a release of hazardous material. After the trip occurred, all automatic actions were completed and verified by operations personnel and IWTU was placed in a stable condition. A procedure change request was drafted and approved to correct operation of the system. [EM-ID--CWI-IWTU-2014-0020]

Notable Accomplishments: Buried waste exhumation success continues- Per their contract with the U.S. Department of Energy, CWI removed radioactive and hazardous waste 10 months ahead of schedule from a combined area of 0.51 acres at the Radioactive Waste Management Complex's Subsurface Disposal Area. As of mid-November, waste from a combined area of 3.56 acres had been removed. A total of 5.69 acres require cleanup under a 2008 record of decision between the DOE, Environmental Protection Agency and state of Idaho.

Idaho National Laboratory (INL)

October 25: A layer of glass in a hot cell window at the Hot Fuel Examination Facility was cracked during an oil/drain fill operation. Personnel were not injured and radioactive material was not released from the hot cell. HFEF hot cell windows contain 6 layers of glass. [NE-ID--BEA-HFEF-2014-0005]

November 4: The tailgate of a government vehicle was dented when a stop sign pole snapped at the base and fell at the Materials and Fuels Complex. [NE-ID--BEA-MFC-2014-0006]

November 7: Suspect counterfeit bolts discovered by maintenance technicians at the Materials and Fuels Complex were determined to be counterfeit. The bolts were removed and approved bolts were installed. [NE-ID--BEA-MFC-2014-0007]

November 6: A Battelle Energy Alliance heavy equipment operator working at the Materials and Fuels Complex injured his left forearm. [NE-ID--BEA-MFC-2014-0008]

November 11: The Advanced Test Reactor (ATR) operator at the controls (OATC) noted that wide range neutron level instrumentation was not working properly after observing unusual gage activity. The ATR was in outage with fuel removed from the reactor vessel at the time of the discovery. Consequently, the wide range neutron level instrumentation was not required to be operable. [NE-ID--BEA-ATR-2014-0030]

November 15: An Advanced Test Reactor Process Operator discovered that the latch for a confinement door was stuck and failed to keep the door latched shut. The reactor was shut down and defueled at the time of the discovery. [NE-ID--BEA-ATR-2014-0031]

November 24: Two of five amplifier ranges on a channel exceeded their required response time during a subsystem response time test at the Advanced Test Reactor. The ATR was in outage with fuel removed from the reactor vessel at the time of the test. [NE-ID--BEA-ATR-2014-0032]

November 25: During a pre-job briefing for the replacement of a controller for an air handling unit at the Specific Manufacturing Complex, crews identified that the lock out/tag out process included in the work package for this activity and previous similar work packages did not include a potential hazardous energy source. Management was informed and a fact finding is being held. [NE-ID--BEA-SMC-2014-0003]

November 26: An electrical ground fault occurred in a piece of equipment that was being cleaned at the Experimental Fuels Facility located at the Materials and Fuels Complex. The affected equipment was placed in a safe configuration, de-energized, and placed out of service. A fact finding is being held. [NE-ID--BEA-EFF-2014-0001]

Notable Accomplishments: Site contractors contribute more than \$500,000 to United Way organizations in eastern Idaho - Employees of the U.S. Department of Energy's three largest contractors in Idaho provided support to three regional United Way offices with donations for the coming year. United Way organizations in eastern Idaho received over \$496,400 in contributions.

Battelle Energy Alliance and many of its roughly 3,450 employees have pledged a total of \$293,300 to United Way offices and agencies serving 22 counties in east and southeast Idaho. This year's total includes a Battelle Energy Alliance \$55,000 donation, which will be shared among United Way offices in Idaho Falls, Pocatello and Twin Falls based on the percentage of INL employees residing in each United Way region.

"The needs of families living in our community were once again met with the giving spirit of our employees," said Wray Landon, INL Applied Engineering director and United Way campaign champion. "Providing for basic needs like food, shelter, crisis intervention, addiction rehabilitation, senior services, youth programs, and immediate, effective help for victims of violence and abuse."

CH2M-WG Idaho (CWI), the contractor that manages the Idaho Cleanup Project, contributed over \$95,800, which includes contributions from many of its roughly 1,050 employees, CWI's corporate donation, and proceeds from the annual CWI United Way golf tournament.

New to the CWI United Way committee, co-chairs Darrin Nelson and Bill Dunkley, were honored to lead CWI's fundraising efforts. "I am so proud of our employees and their support for this program," Nelson said. "Year after year, they put their best foot forward and donate to make this community and its citizens better." "We have the greatest employees, and it shows with the support they have shown to the community by donating so much to the United Way campaign this year," Dunkley said. "Our employees support will be a great help for those in need."

Many of the roughly 610 employees with the Idaho Treatment Group, which manages and operates the Department of Energy's Advanced Mixed Waste Treatment Project (AMWTP), contributed just over \$62,300 to regional United Way organizations.

"While I've just come on board the Advanced Mixed Waste Treatment Project, one thing that has struck me is the caring nature of the workforce. I see it every day, as employees care for each

other on the job, and certainly in the heartfelt contributions that were given to enable AMWTP to meet our goal for assisting United Way,” said Dave Richardson, recently named acting president and project manager of the Idaho Treatment Group, the contractor that operates AMWTP.

AECOM/URS Corporation, which has support responsibilities spanning the contractors on the Department of Energy's Idaho site, donated \$25,000.

Babcock Wilcox Shaw Remediation, LLC (BWSR) is a Babcock & Wilcox joint venture performing D&D services at the INL. The \$20,000 contribution represents the combined donations of a business unit comprised of 86 employees.

The U.S. Department of Energy-Idaho Operations Office provides support to the community through the Combined Federal Campaign. Many of DOE-Idaho's roughly 225 employees pledged to charities including United Way. These pledges totaled more than \$25,600 for 2015.